

(12) **United States Patent**  
Ishii et al.

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(54) **MOLDED BODY, METHOD OF MANUFACTURING THE SAME, SEAT MATERIAL FOR VEHICLES, AND METHOD OF MANUFACTURING THE SAME**

(58) **Field of Classification Search**  
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(Continued)

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English translation of WO 2004/034853.\*  
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(57) **ABSTRACT**

There is provided a molded body including a main portion and a bank portion each of which is formed by foaming and molding a foam material. The main portion is made of urethane material which is softer than the material for the bank portion. At a boundary portion between the main and bank portions, the main portion is formed in a continuous interlocking profile and the bank portion is also formed in another continuous interlocking profile. The interlocking profile and the another interlocking profile are mated to each other so as to prevent separation between the main portion and the bank portion in a direction of an arrow (vehicle width direction). The boundary portion is provided by partitioning the cavity in a single mold with a weir, introducing different foam materials into both sides of the weir and foaming the introduced materials.

**5 Claims, 13 Drawing Sheets**

